

10/506,670

## WEST Search History

Hide Items

Restore

Clear

Cancel

DATE: Monday, November 12, 2007

Hide?	<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>
		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L9	L4 and (scheel or schulze or rosahl or landtug).in.	3
<input type="checkbox"/>	L8	L4 and lipka.in.	3
<input type="checkbox"/>	L7	L6 and 800/279.ccls.	2
<input type="checkbox"/>	L6	l4 same l5	10
<input type="checkbox"/>	L5	(pathogen or disease) near3 (resistance or resistant or tolerance or tolerant)	37685
<input type="checkbox"/>	L4	(beta adj2 glucosidase) near3 (gene or nucleic or DNA or polynucleotide or sequence or protein or polypeptide)	345
		<i>DB=USPT; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L3	L2 and glucosidase	1
<input type="checkbox"/>	L2	L1 and (disease or pathogen) near3 (resistance or tolerance)	1
<input type="checkbox"/>	L1	7109033	1

END OF SEARCH HISTORY

## &lt;!--StartFragment--&gt;ALIGNMENTS

## RESULT 1

US-09-938-842A-54

; Sequence 54, Application US/09938842A

; Patent No. 7109033

; GENERAL INFORMATION:

; APPLICANT: Harper, Jeff

; APPLICANT: Kreps, Joel

; APPLICANT: Wang, Xun

; APPLICANT: Zhu, Tong

; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING

; TITLE OF INVENTION: SAME, AND METHODS OF USE

; FILE REFERENCE: SCRIPI300-3

; CURRENT APPLICATION NUMBER: US/09/938,842A

; CURRENT FILING DATE: 2001-08-24

; PRIOR APPLICATION NUMBER: US 60/227,866

; PRIOR FILING DATE: 2000-08-24

; PRIOR APPLICATION NUMBER: US 60/264,647

; PRIOR FILING DATE: 2001-01-16

; PRIOR APPLICATION NUMBER: US 60/300,111

; PRIOR FILING DATE: 2001-06-22

; NUMBER OF SEQ ID NOS: 5379

; SEQ ID NO 54

; LENGTH: 1683

; TYPE: DNA

; ORGANISM: Arabidopsis thaliana

US-09-938-842A-54

Query Match 100.0%; Score 1683; DB 5; Length 1683;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 1683; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

Qy      1 ATGGCACATCTTCAAAGAACATTTCTACTGAGATGTCAAAGGTAGAGCTAGCTTTCCA 60
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1 ATGGCACATCTTCAAAGAACATTTCTACTGAGATGTCAAAGGTAGAGCTAGCTTTCCA 60

Qy     61 AAAGGCTTTCTCTTTGGAAGTCTTCATCTTCTTATCAGTACGAAGGAGCAGTGAATGAA 120
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     61 AAAGGCTTTCTCTTTGGAAGTCTTCATCTTCTTATCAGTACGAAGGAGCAGTGAATGAA 120

Qy    121 GGTGCGAGAGGACAAAGCGTGTGGGATCATTCTCCAACAGGTTTCCTCACAGAATCAGT 180
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    121 GGTGCGAGAGGACAAAGCGTGTGGGATCATTCTCCAACAGGTTTCCTCACAGAATCAGT 180

Qy    181 GATTCTAGCGACGGAACGTTGCCGTTGATTTCTACCATCGTTACAAGGAAGATATTAAG 240
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    181 GATTCTAGCGACGGAACGTTGCCGTTGATTTCTACCATCGTTACAAGGAAGATATTAAG 240

Qy    241 AGAATGAAGGATATAAACATGGATTTCGTTTCGGCTTTCCATTGCTTGGCCACGAGTTCTA 300
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    241 AGAATGAAGGATATAAACATGGATTTCGTTTCGGCTTTCCATTGCTTGGCCACGAGTTCTA 300

```

Qy	301	CCTTATGGCAAAAGGGATAGAGGAGTTAGTGAAGAAGGAATTAAGTTTACAAATGATGTT	360
Db	301	CCTTATGGCAAAAGGGATAGAGGAGTTAGTGAAGAAGGAATTAAGTTTACAAATGATGTT	360
Qy	361	ATTGATGAACTCTTAGCCAATGAAATCACTCCTCTTGTTACTATCTTTCATTGGGACATA	420
Db	361	ATTGATGAACTCTTAGCCAATGAAATCACTCCTCTTGTTACTATCTTTCATTGGGACATA	420
Qy	421	CCACAGGATCTTGAAGATGAATACGGCGGTTTTCTAAGCGAGCAGATTATAGATGACTTC	480
Db	421	CCACAGGATCTTGAAGATGAATACGGCGGTTTTCTAAGCGAGCAGATTATAGATGACTTC	480
Qy	481	AGAGACTATGCGAGTCTCTGCTTCGAGAGATTGTTGGGGACAGAGTGAGTCTGTGGTGCACA	540
Db	481	AGAGACTATGCGAGTCTCTGCTTCGAGAGATTGTTGGGGACAGAGTGAGTCTGTGGTGCACA	540
Qy	541	ATGAATGAGCCGTGGGTCTACAGTGTGCGGGCTATGACACAGGAAGGAAAGCGCCAGGA	600
Db	541	ATGAATGAGCCGTGGGTCTACAGTGTGCGGGCTATGACACAGGAAGGAAAGCGCCAGGA	600
Qy	601	CGGTGCTCCAAGTATGTTAATGGCGCTAGTGTGCTGGAATGTCGGGATACGAGGCATAT	660
Db	601	CGGTGCTCCAAGTATGTTAATGGCGCTAGTGTGCTGGAATGTCGGGATACGAGGCATAT	660
Qy	661	ATTGTGAGCCATAACATGCTTCTAGCGCACGCAGAAGCAGTGGAAGTGTTTAGAAAATGT	720
Db	661	ATTGTGAGCCATAACATGCTTCTAGCGCACGCAGAAGCAGTGGAAGTGTTTAGAAAATGT	720
Qy	721	GACCATATTAAAAACGGACAAATTGGGATTGCGCATAATCCACTTTGGTACGAGCCATAT	780
Db	721	GACCATATTAAAAACGGACAAATTGGGATTGCGCATAATCCACTTTGGTACGAGCCATAT	780
Qy	781	GATCCGAGTGATCCAGATGATGTGCGAAGGATGTAATCGAGCTATGGACTTCATGCTTGGT	840
Db	781	GATCCGAGTGATCCAGATGATGTGCGAAGGATGTAATCGAGCTATGGACTTCATGCTTGGT	840
Qy	841	TGGCATCAGCATCCGACTGCTTGTGGAGACTATCCAGAAACGATGAAGAAATCAGTTGGA	900
Db	841	TGGCATCAGCATCCGACTGCTTGTGGAGACTATCCAGAAACGATGAAGAAATCAGTTGGA	900
Qy	901	GATAGATTACCGAGTTTTACACCAGAACAATCTAAGAACTTATAGGCTCTTGCGATTAC	960
Db	901	GATAGATTACCGAGTTTTACACCAGAACAATCTAAGAACTTATAGGCTCTTGCGATTAC	960
Qy	961	GTTGGTATAAACTACTATAGCTCGCTTTTCGTGAAGAGTATCAAACACGTGGATCCTACG	1020
Db	961	GTTGGTATAAACTACTATAGCTCGCTTTTCGTGAAGAGTATCAAACACGTGGATCCTACG	1020
Qy	1021	CAACCTACTTGGAGAACTGACCAAGGCGTTGATTGGATGAAAACCAACATAGATGGGAAA	1080
Db	1021	CAACCTACTTGGAGAACTGACCAAGGCGTTGATTGGATGAAAACCAACATAGATGGGAAA	1080

Qy	1081	CAAATAGCAAACAAGGAGGATCAGAGTGGAGTTTCACATATCCAACAGGACTCAGAAAC	1140
Db	1081	CAAATAGCAAACAAGGAGGATCAGAGTGGAGTTTCACATATCCAACAGGACTCAGAAAC	1140
Qy	1141	ATTTTGAAGTATGTGAAAAAACTTATGGCAATCCTCCATTCTCATAACTGAAAACGGG	1200
Db	1141	ATTTTGAAGTATGTGAAAAAACTTATGGCAATCCTCCATTCTCATAACTGAAAACGGG	1200
Qy	1201	TATGGTGAAGTAGCGGAACAGAGTCAGAGTCTTTATATGTACAATCCTTCAATCGACACA	1260
Db	1201	TATGGTGAAGTAGCGGAACAGAGTCAGAGTCTTTATATGTACAATCCTTCAATCGACACA	1260
Qy	1261	GAGAGATTGGAGTACATTGAAGGACATATCCACGCTATTCATCAAGCCATCCATGAAGAT	1320
Db	1261	GAGAGATTGGAGTACATTGAAGGACATATCCACGCTATTCATCAAGCCATCCATGAAGAT	1320
Qy	1321	GGAGTAAGAGTGGAAAGTTATTACGTATGGTCATTGCTAGATAACTTCGAGTGGAACAGT	1380
Db	1321	GGAGTAAGAGTGGAAAGTTATTACGTATGGTCATTGCTAGATAACTTCGAGTGGAACAGT	1380
Qy	1381	GGATATGGTGTGAGATATGGTTTATATTACATTGATTACAAAGATGGGCTTAGACGATAC	1440
Db	1381	GGATATGGTGTGAGATATGGTTTATATTACATTGATTACAAAGATGGGCTTAGACGATAC	1440
Qy	1441	CCGAAAATGTCGGCGTTATGGTTGAAAGAGTTCTTGAGGTTTGATCAAGAAGACGATTCT	1500
Db	1441	CCGAAAATGTCGGCGTTATGGTTGAAAGAGTTCTTGAGGTTTGATCAAGAAGACGATTCT	1500
Qy	1501	TCGACGTCTAAGAAAGAAGAGAAGAAAGAGAGCTATGGAAAACAGTTATTGCATTCTGTT	1560
Db	1501	TCGACGTCTAAGAAAGAAGAGAAGAAAGAGAGCTATGGAAAACAGTTATTGCATTCTGTT	1560
Qy	1561	CAGGACAGTCAATTTGTTTCATTTCGATTAAAGACAGTGGTGCGTTACCTGCGGTTTTGGGG	1620
Db	1561	CAGGACAGTCAATTTGTTTCATTTCGATTAAAGACAGTGGTGCGTTACCTGCGGTTTTGGGG	1620
Qy	1621	AGCTTGTTTCGTTGTGTCTGCAACTGTTGGTACTTCTCTGTTCTTCAAAGGAGCTAATAAT	1680
Db	1621	AGCTTGTTTCGTTGTGTCTGCAACTGTTGGTACTTCTCTGTTCTTCAAAGGAGCTAATAAT	1680
Qy	1681	TGA	1683
Db	1681	TGA	1683

&lt;!--EndFragment--&gt;

&lt;!--StartFragment--&gt;RESULT 1

US-09-938-842A-54

; Sequence 54, Application US/09938842A

; Patent No. 7109033

; GENERAL INFORMATION:

; APPLICANT: Harper, Jeff

; APPLICANT: Kreps, Joel

; APPLICANT: Wang, Xun

; APPLICANT: Zhu, Tong

; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING

; TITLE OF INVENTION: SAME, AND METHODS OF USE

; FILE REFERENCE: SCRIP1300-3

; CURRENT APPLICATION NUMBER: US/09/938,842A

; CURRENT FILING DATE: 2001-08-24

; PRIOR APPLICATION NUMBER: US 60/227,866

; PRIOR FILING DATE: 2000-08-24

; PRIOR APPLICATION NUMBER: US 60/264,647

; PRIOR FILING DATE: 2001-01-16

; PRIOR APPLICATION NUMBER: US 60/300,111

; PRIOR FILING DATE: 2001-06-22

; NUMBER OF SEQ ID NOS: 5379

; SEQ ID NO 54

; LENGTH: 1683

; TYPE: DNA

; ORGANISM: Arabidopsis thaliana

US-09-938-842A-54

## Alignment Scores:

Pred. No.:	0	Length:	1683
Score:	3039.00	Matches:	560
Percent Similarity:	100.0%	Conservative:	0
Best Local Similarity:	100.0%	Mismatches:	0
Query Match:	100.0%	Indels:	0
DB:	5	Gaps:	0

US-10-506-670A-2 (1-560) x US-09-938-842A-54 (1-1683)

Qy	1	MetAlaHisLeuGlnArgThrPheProThrGluMetSerLysGlyArgAlaSerPhePro	20
Db	1	ATGGCACATCTTCAAAGAACATTTCTACTGAGATGTCAAAGGTAGAGCTAGCTTTCCA	60
Qy	21	LysGlyPheLeuPheGlyThrAlaSerSerSerTyrGlnTyrGluGlyAlaValAsnGlu	40
Db	61	AAAGGCTTTCTCTTTGGAAGTCTTCATCTTCTTATCAGTACGAAGGAGCAGTGAATGAA	120
Qy	41	GlyAlaArgGlyGlnSerValTrpAspHisPheSerAsnArgPheProHisArgIleSer	60
Db	121	GGTGCAGAGAGGACAAAGCGTGTGGGATCATTTCTCCAACAGGTTTCCTCACAGAATCAGT	180
Qy	61	AspSerSerAspGlyAsnValAlaValAspPheTyrHisArgTyrLysGluAspIleLys	80
Db	181	GATTCTAGCGACGGAACGTTGCCGTTGATTTCTACCATCGTTACAAGGAAGATATTAAG	240

Qy	81	ArgMetLysAspIleAsnMetAspSerPheArgLeuSerIleAlaTrpProArgValLeu	100
Db	241	AGAATGAAGGATATAAACATGGATTTCGTTTCGGCTTTCCATTGCTTGGCCACGAGTTCTA	300
Qy	101	ProTyrGlyLysArgAspArgGlyValSerGluGluGlyIleLysPheTyrAsnAspVal	120
Db	301	CCTTATGGCAAAGGGATAGAGGAGTTAGTGAAGAAGGAATTAAGTTTACAAATGATGTT	360
Qy	121	IleAspGluLeuLeuAlaAsnGluIleThrProLeuValThrIlePheHisTrpAspIle	140
Db	361	ATTGATGAACTCTTAGCCAATGAAATCACTCCTCTTGTTACTATCTTTCATTGGGACATA	420
Qy	141	ProGlnAspLeuGluAspGluTyrGlyGlyPheLeuSerGluGlnIleIleAspAspPhe	160
Db	421	CCACAGGATCTTGAAGATGAATACGGCGGTTTCTAAGCGAGCAGATTATAGATGACTTC	480
Qy	161	ArgAspTyrAlaSerLeuCysPheGluArgPheGlyAspArgValSerLeuTrpCysThr	180
Db	481	AGAGACTATGCGAGTCTCTGCTTCGAGAGATTTGGGGACAGAGTGAGTCTGTGGTGCACA	540
Qy	181	MetAsnGluProTrpValTyrSerValAlaGlyTyrAspThrGlyArgLysAlaProGly	200
Db	541	ATGAATGAGCCGTGGGTCTACAGTGTGCGGGCTATGACACAGGAAGGAAAGCGCCAGGA	600
Qy	201	ArgCysSerLysTyrValAsnGlyAlaSerValAlaGlyMetSerGlyTyrGluAlaTyr	220
Db	601	CGGTGCTCCAAGTATGTTAATGGCGCTAGTGTTGCTGGAATGTCGGGATACGAGGCATAT	660
Qy	221	IleValSerHisAsnMetLeuLeuAlaHisAlaGluAlaValGluValPheArgLysCys	240
Db	661	ATTGTGAGCCATAACATGCTTCTAGCGCACGCAGAAGCAGTGGAAGTGTTTAGAAAATGT	720
Qy	241	AspHisIleLysAsnGlyGlnIleGlyIleAlaHisAsnProLeuTrpTyrGluProTyr	260
Db	721	GACCATATTAAAAACGGACAAATTGGGATTGCGCATAATCCACTTTGGTACGAGCCATAT	780
Qy	261	AspProSerAspProAspAspValGluGlyCysAsnArgAlaMetAspPheMetLeuGly	280
Db	781	GATCCGAGTGATCCAGATGATGTCGAAGGATGTAATCGAGCTATGGACTTCATGCTTGGT	840
Qy	281	TrpHisGlnHisProThrAlaCysGlyAspTyrProGluThrMetLysLysSerValGly	300
Db	841	TGGCATCAGCATCCGACTGCTTGTGGAGACTATCCAGAAACGATGAAGAAATCAGTTGGA	900
Qy	301	AspArgLeuProSerPheThrProGluGlnSerLysLysLeuIleGlySerCysAspTyr	320
Db	901	GATAGATTACCGAGTTTTACACCAGAACAATCTAAGAACTTATAGGCTCTTGCGATTAC	960
Qy	321	ValGlyIleAsnTyrTyrSerSerLeuPheValLysSerIleLysHisValAspProThr	340
Db	961	GTTGGTATAAACTACTATAGCTCGCTTTTCGTGAAGAGTATCAAACACGTGGATCCTACG	1020
Qy	341	GlnProThrTrpArgThrAspGlnGlyValAspTrpMetLysThrAsnIleAspGlyLys	360

Db	1021	CAACCTACTTGGAGAACTGACCAAGGCGTTGATTGGATGAAAACCAACATAGATGGGAAA	1080
Qy	361	GlnIleAlaLysGlnGlyGlySerGluTrpSerPheThrTyrProThrGlyLeuArgAsn	380
Db	1081	CAAATAGCAAACAAGGAGGATCAGAGTGGAGTTTCACATATCCAACAGGACTCAGAAAC	1140
Qy	381	IleLeuLysTyrValLysLysThrTyrGlyAsnProProIleLeuIleThrGluAsnGly	400
Db	1141	ATTTTGAAGTATGTGAAAAAACTTATGGCAATCCTCCCATTCCTCATAACTGAAAACGGG	1200
Qy	401	TyrGlyGluValAlaGluGlnSerGlnSerLeuTyrMetTyrAsnProSerIleAspThr	420
Db	1201	TATGGTGAAGTAGCGGAACAGAGTCAGAGTCTTTATATGTACAATCCTTCAATCGACACA	1260
Qy	421	GluArgLeuGluTyrIleGluGlyHisIleHisAlaIleHisGlnAlaIleHisGluAsp	440
Db	1261	GAGAGATTGGAGTACATTGAAGGACATATCCACGCTATTCATCAAGCCATCCATGAAGAT	1320
Qy	441	GlyValArgValGluGlyTyrTyrValTrpSerLeuLeuAspAsnPheGluTrpAsnSer	460
Db	1321	GGAGTAAGAGTGAAGGTTATTACGTATGGTCATTGCTAGATAACTTCGAGTGGAACAGT	1380
Qy	461	GlyTyrGlyValArgTyrGlyLeuTyrTyrIleAspTyrLysAspGlyLeuArgArgTyr	480
Db	1381	GGATATGGTGTGAGATATGGTTTATATTACATTGATTACAAAGATGGGCTTAGACGATAC	1440
Qy	481	ProLysMetSerAlaLeuTrpLeuLysGluPheLeuArgPheAspGlnGluAspAspSer	500
Db	1441	CCGAAAATGTCGGCGTTATGGTTGAAAGAGTTCTTGAGGTTTGATCAAGAAGACGATTCT	1500
Qy	501	SerThrSerLysLysGluGluLysLysGluSerTyrGlyLysGlnLeuLeuHisSerVal	520
Db	1501	TCGACGTCTAAGAAAGAAGAGAAGAAAGAGAGCTATGGAAACAGTTATTGCATTCTGTT	1560
Qy	521	GlnAspSerGlnPheValHisSerIleLysAspSerGlyAlaLeuProAlaValLeuGly	540
Db	1561	CAGGACAGTCAATTTGTTTCATTCGATTAAAGACAGTGGTGCGTTACCTGCGGTTTTGGGG	1620
Qy	541	SerLeuPheValValSerAlaThrValGlyThrSerLeuPhePheLysGlyAlaAsnAsn	560
Db	1621	AGCTTGTTTCGTTGTGTCTGCAACTGTTGGTACTTCTCTGTTCTTCAAAGGAGCTAATAAT	1680

&lt;!--EndFragment--&gt;